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## Garrott Optim S3 Jade / Garrott Optim S3 FGS Ruby

**The Garrott Brothers range of cartridges embodies fifty years of development and focus on providing the most musically realistic renditions possible in a domestic environment.**

We incorporate both the latest materials and techniques while also retaining those tried and true in order to optimise musical realism and enjoyment. Unlike many popular brands, the Garrott Brothers range of cartridges guarantees the listener maximum satisfaction with each and every record, not just a few hair-raising moments from selected tracks.

We also endeavour to make the mounting and setup of the cartridges as straightforward as possible.

The sonic resolution of our cartridges makes it easy to identify the musically optimum conditions without resorting to laboratory instruments. We aim to simplify the process, from the unboxing to the sitting back and marveling at the virtual 3D soundstaging that can be achieved with even the most modest of electronics.

### Optim S3 Jade

**Cantilever:** Aluminium alloy  
**Diamond Stylus:** Elliptical  
**Frequency Response:** 20Hz - 20KHz +/- 3dB  
**Channel Separation:** 25dB (typical) at 1KHz  
**Output Voltage:** 6.5 mV +/- 1.5 dB, 1 kHz @ 5cm/sec  
**Compliance Vert/Lat:** Approx. 16/24 um/mN  
**Tracking Force:** 1.5 - 2.0g (1.7g nominal)  
**Input Impedance:** 47 k/Ohm  
**Load Capacitance:** 150-200 pF  
**Body Weight:** 6.7g



### Optim S3 FGS Ruby

**Cantilever:** Solid ruby  
**Diamond Stylus:** FGS  
**Frequency Response:** 20Hz - 20KHz +/- 3dB  
**Channel Separation:** 25dB (typical) at 1KHz  
**Output Voltage:** 6.5 mV +/- 1.5 dB, 1 kHz @ 5cm/sec  
**Compliance Vert/Lat:** Approx. 16/24 um/mN  
**Tracking Force:** 1.7 - 2.2g (2.0g nominal)  
**Input Impedance:** 47 k/Ohm  
**Load Capacitance:** 150-200 pF  
**Body Weight:** 6.7g

